



## Biomedicine and Biotechnology DIS Study Abroad in Scandinavia



### Overview

[DIS -Study Abroad in Scandinavia](#) offers students in learning state-of-the art biomedical research which drives the creation of novel diagnostics and therapeutics for clinical use. Students engage in unique experiences where they learn and witness how laboratory and clinical-based research leads to implementing innovative solutions to meet patient needs.

During the spring or fall, students enroll in one core course (with course-integrated study tours within Sweden, Denmark, and Norway) and three or four electives. Summer students can choose to take 3 to 9 credits over 3 to 9 weeks and can choose to stay in either Copenhagen or Stockholm, or mix-and-match locations.

### Why Study Biomedicine and Biotechnology in Scandinavia?

With top-quality academic institutions and research facilities, strategic funding for the development of biomedical technological solutions, and medtech and biotech innovation hubs, Scandinavia is renowned for using research principles to solve medical problems.

### Core Courses

**Biomedical Engineering in Scandinavia (Stockholm)**, Fall/Spring, 3 credits,

*Prerequisite(s): Two courses in math, plus a total of five courses within engineering, basic science (biology, chemistry, physics), and/or computer science, all at university level. At least one of these courses should be an engineering course.*

- Week-Long Study Tour: Denmark-Norway
- Core Course Week: Sweden

**Human Health and Disease: A Clinical Approach**<sup>[OBJ]</sup> (Copenhagen), <sup>[OBJ]</sup>Fall/Spring, 3 credits,  
*Prerequisite(s): One year each of biology and chemistry at university level.*

- Week-Long Study Tour: Brussels-Cologne (Fall/Spring) or Nuremberg-Prague (Fall/Spring) or Helsinki-Tal or Berlin-Poznan (Fall/Spring) or Budapest-Vienna (Fall/Spring) or Zagreb-Munich (Fall/Spring) or Berlin-Poznan (Fall/Spring) or Budapest-Vienna (Fall/Spring) or Zagreb-Munich (Fall/Spring)
- Core Course Week: Denmark

**Medical Biotechnology and Drug Development (Copenhagen)**, Fall/Spring, 3 credits  
*Prerequisite(s): One year each of biology and chemistry at university level.*

- Week-Long Study Tour: Lisbon-Porto (Fall/Spring) or London (Spring) or Edinburgh (Fall)
- Core Course Week Study Tour: Denmark

**Neuroscience of Fear and Anxiety (Copenhagen)**, Fall/Spring, 3 credits  
*Prerequisite(s): One year of biology or one course in either neuroscience, physiological psychology, or biological psychology, all at university level.*

- Week-Long Study Tour: Frankfurt-Heidelberg or Munich
- Core Course Week: Southern Sweden or Denmark

**Precision Medicine: Tailored Treatment in Clinical Practice (Stockholm)**, Fall/Spring, 3 credits  
*Prerequisites: One year of biology and one year of chemistry at university level.*

- Week-Long Study Tour: Netherlands (Spring) or Dublin (Fall)
- Core Course Week: Sweden

## Semester Courses

- **Engineering Biomaterials (Stockholm)**, Fall/Spring, 3 credits  
*Prerequisites: Two courses in math, plus a total of five courses within engineering, basic science (biology, chemistry, physics), and/or computer science, all at a university level. At least one of these courses should be an engineering course.*
- **Epigenetics and the Impact on Health and Disease (Copenhagen)**, Fall/Spring, 3 credits  
*Prerequisites: One year of each of biology and chemistry at university level.*
- **Genomics in Clinical Practice (Copenhagen)**, Fall/Spring, 3 credits  
*Prerequisites: One year of biology and one year of chemistry at university level.*

- **Gut Reaction: How Human Microbes Shape Our Lives (Copenhagen)**, Fall/Spring, 3 credits  
*Prerequisites: One year of biology, one course in either molecular biology or genetics, and one chemistry course, all at university level.*
- **Immunology (Copenhagen)**, Fall/Spring, 3 credits  
*Prerequisites: One year of biology, one course in either molecular biology or genetics, and one chemistry course, all at university level.*
- **Immunology and Infectious Diseases (Stockholm)**, Fall/Spring, 3 credits  
*Prerequisites: One year of biology, one course in either molecular biology or genetics, and one chemistry course, all at university level.*
- **Medical Diagnostics (Stockholm)**, Fall/Spring, 3 credits  
*Prerequisites: One year of chemistry and one year of either biology or bioengineering, all at university level.*
- **Medical Simulation Lab (Stockholm), Medical Simulation Lab (Copenhagen)**, Fall/Spring, 3 credits  
Corequisites: enrolled either in Precision Medicine: Tailored Treatment in Clinical Practice (Stockholm) or Human Health and Disease: a Clinical Approach (Copenhagen)
- **Neurodegenerative Diseases (Stockholm)**, Fall/Spring, 3 credits  
*Prerequisites: One year of biology and chemistry at university level.*
- **Neurological Disorders and Diseases (Copenhagen)**, Fall/Spring, 3 credits  
*Prerequisites: One year of biology and chemistry at university level.*
- **Philosophy of Technology and Human Values (Stockholm)**, Fall/Spring, 3 credits
- **Psychopharmacology: Substances and the Brain (Copenhagen)**, Fall/Spring, 3 credits  
*Prerequisites: One year of biology and chemistry at university level.*
- **Research Assistant: Biochemistry-Biophysics of Ion Channels (Stockholm)**, Fall/Spring, 6 credits  
*Prerequisites: One year of chemistry and one year of either biology or physics at university level.*
- **Research Assistant: Cardiovascular and Cerebrovascular Diseases (Copenhagen)**, Fall/Spring, 6 credits  
*Prerequisites: One year each of biology and chemistry at university level. Basic knowledge of physiology and molecular biology is recommended.*

- **Research Assistant: Development of Novel Aptamers for Therapeutic and/or Diagnostic Purposes (Copenhagen)**, Fall/Spring, 6 credits  
*Prerequisites: One year of biology and one year of biochemistry at university level.*
- **Research Assistant: Genomics of Migraine (Copenhagen)**, Fall/Spring, 6 credits
- **Research Assistant: Mesenchymal Stem Cell Extracellular Vesicles for  $\beta$  Cell Protection in Type 1 Diabetes (Copenhagen)**, Fall/Spring, 6 credits  
*Prerequisites: One year of biology and one year of chemistry at the university level.*
- **Research Assistant: Visualizing Protein Distribution in the Brain (Stockholm)**, Fall, 6 credits  
*Prerequisites: One year of biology, chemistry, or neuroscience at a university. Basic laboratory experience at a university level is recommended.*
- **Statistics (Stockholm)**, Fall/Spring, 3 credits  
*Prerequisites: Two courses in mathematics, at university level.*
- **Tumor Biology and Oncology (Stockholm)**, Fall/Spring, 3 credits  
*Prerequisites: One year of biology, at university level.*

## 2025 Summer Courses

### Session 1 (May 21 - June 13, 2025)

- **Human Health and Disease: A Clinical Approach (Copenhagen)**  
*Prerequisites: One year each of biology and chemistry at university level.*
- **Medical Diagnostics (Stockholm)**  
*Prerequisites: One year of chemistry and one year of either biology or bioengineering, all at university level.*
- **Statistics (Stockholm)**  
*Prerequisites: Two courses in mathematics, at university level.*

### Session 2 (June 16 - July 5, 2025)

- **Human Health and Disease: A Clinical Approach (Copenhagen)**  
*Prerequisites: One year each of biology and chemistry at university level.*

- **Medical Biotechnology and Drug Development (Copenhagen)**  
*Prerequisites: One year each of biology and chemistry at university level.*
- **Neuroscience of Fear and Anxiety (Copenhagen)**  
*Prerequisites: One year of biology or one course in either neuroscience, physiological psychology, or biological psychology, all at university level.*
- **Precision Medicine: Tailored Treatment in Clinical Practice (Stockholm)**  
*Prerequisites: One year of biology, including one course in either molecular biology or genetics, and one chemistry course, all at university level.*

### **Session 3 (July 8 – July 30, 2025)**

- **Molecular and Cellular Neuroscience (Stockholm)**  
*Prerequisites: One year of either biology or neuroscience, and one course in either molecular biology or genetics, all at university level*
- **Sports Medicine: Performance and Fatigue (Copenhagen)**  
*Prerequisites: One year each of biology and chemistry at university level. There is a physical component to this course so the ability to run and lift light weights is mandatory.*

### **Labs, Research, & Practicums Session (May 21 - July 5, 2025)**

- **Biomedical Lab (Stockholm)**  
*Prerequisites: One year of biology, one year of chemistry, and one course with a lab component, all at university level.*
- **Microbrains Lab: Modeling Neurodegeneration (Copenhagen)**  
*Prerequisites: One year of biology, one year of chemistry, and one course with a lab component, all at university level.*
- **Research Assistant: Antisense Peptide Nucleic Acid as New Generation of Precise Antibiotic (Copenhagen)**  
*Prerequisites: One year of biology and one year of chemistry at the university level.*
- **Research Assistant: Development of Novel Aptamers for Therapeutic and/or Diagnostic Purposes (Copenhagen)**  
*Prerequisites: One year of biology and one year of biochemistry at the university level.*
- **Research Assistant: Mesenchymal Stem Cell Extracellular Vesicles for  $\beta$  Cell Protection in Type 1 Diabetes (Copenhagen)**  
*Prerequisites: One year of biology and one year of chemistry at the university level.*

## Program Directors



### **Susana Dietrich – Science & Health and Research**

*Ph.D. (Biomedical Sciences, University of Porto, Portugal, 2007).*

- M.S. (Biotechnology, De Monfort University, UK, and Karolinska Institutet, Sweden, 1998).
- Licenciatura (Microbiology, Portuguese Catholic University, Portugal, 1997).

Post-Doctoral positions in immunology and neuroimmunology, University of Lund, Sweden and University of Copenhagen, Denmark. With DIS since 2011.



### **Natalia Landázuri Sáenz - Computer Science and Engineering**

*Ph.D. Biomedical Engineering, Georgia Institute of Technology, Atlanta, GA, USA (2005).*

- Post-doctoral fellow, Emory University, Atlanta, GA, USA.
- Associate Professor Biomedicine, Karolinska Institutet, Stockholm, Sweden. Fulbright scholar (1999-2001).

Research in genetic engineering, regenerative medicine, cardiovascular disease, and cancer. Has created, designed, implemented and evaluated courses at university level. Acted as

Pedagogical Advisor, Development and Regeneration Doctoral Program, Karolinska Institutet. Has participated in national and international committees to evaluate and promote scientific and academic advancements. With DIS since 2017.

## Faculty

### **Adam Darwich (Stockholm)**

*Ph.D. in Pharmaceutical Sciences, University of Manchester, United Kingdom (2014).*

- Assistant Professor in Health Systems Engineering, Department of Biomedical Engineering and Health Systems, KTH (Royal Institute of Technology), Stockholm, Sweden.

Research focus on modelling and simulation of systems and processes related to healthcare, health services, pharmaceutical development, and precision dosing. With DIS since 2021.

### **Ana Raquel Andrade Veríssimo (Copenhagen)**

*PhD in Developmental Molecular Angiogenesis, University of Birmingham, UK, 2012.*

Assistant Professor, Saga University, Japan, 2015-2018. EdTech scientific VR simulation designer/scrum master, Labster ApS, 2018-2020. Lab manager, Copenhagen University, 2020-2021. Project and outreach manager, Copenhagen University, 2021-2023. Centre Administrator, Copenhagen University, 2023-present. With DIS since 2023.

**Andrea Pohly Thorn (Copenhagen)**

*M.D. (University of Copenhagen, 2016).*

PhD student at the Department of Orthopedic surgery, Rigshospitalet (2021). M.D Department of Orthopedic surgery Herlev/Gentofte Hospital (2019-2021). M.D Department of Orthopedic surgery Nordsjællands Hospital (2017-2019). M.D General medicin at Vik legekantor, Vik municipality Norway (2017). Intern, Fælles Akut Afdeling, Aarhus universitet hospital – and general medicine at Ebeltøft Lægehus (2016-2017). Course Assistant with DIS (2011-2015). With DIS since 2011.

**Andreas Fenger (Copenhagen)**

*M.D. (University of Copenhagen, 2016).*

Previous resident in Urology, having spent . Previous experience in with 14 months residency at Dept of General Surgery Køge University Hospital. Former employment as a clinical research assistant at the Centre for Perioperative Optimization, Dept. of Surgery Herlev Hospital. Co-creator of the Emergency Medicine Course at CAMES. Currently with 5 years' experience in GI-surgery and responsible for the Surgical Course. With DIS since 2015.

**Anne Maria Brinck (Copenhagen)**

*M.D. (university of Copenhagen, 2021)*

Resident doctor, Emergency Department, Nykøbing Falster Hospital April 2021 - September 2021. Resident doctor, Psychiatrich Hospital, Vordingborg Oktober 2021 - March 2022. Resident doctor, Orthopedic Department, Bispebjerg Hospital April 2022 - December 2022. Consultant MD, Orthopedic Emergency Clinic, Roskilde Hospital November 2022 – present. Resident doctor, Orthopedic Department, Hvidovre Hospital April 2023 – present. With DIS since 2023.

**Anton Peterlin (Copenhagen)**

*M.D. (University of Copenhagen 2019).*

Currently second year resident at the Department of Orthopedics, Herlev and Gentofte University Hospital. Previous experience in general practice and Combine Emergency Department, Slagelse Hospital. Previous research in Pathology and Orthopedics. Born and raised in San Francisco, CA. Previously professional footballer in England. Biology Major, California Polytechnic State University, San Luis Obispo, 2009. With DIS since 2022.

**Alessandro Pellegrini (Copenhagen)**

*Master's Degree, Sciences and Techniques of Football Athletic Preparation, Università di Pisa (2021).*

- Master's Degree, Human Posture, Sapienza Università di Roma (2019). Master's Degree, Sports Science for Prevention and Rehabilitation, University of Rome (2017).
- Bachelor's Degree, Sports Science, University of Rome (2015).

PhD student at Università degli Studi di Milano (Dec 2022 – present). Research Assistant, Mobilize Project Intern, University of Southern Denmark (2020). Assistant Youth Academy, Italian Football

Federation (2019-2020). Physical Education Teacher Primary School, Italian National Olympic Committee (2018-2020). With DIS since 2022.

**Bettina Hornbøll Borch** (Copenhagen)

*Ph.D. (Neuroscience, University of Copenhagen, 2017).*

- M.Sc. (Neurobiology, University of Copenhagen, 2006).
- B.A. (Biology, University of Copenhagen, 2004).

Founder of CogniCation; cognitive communication. Has been conducting neuroscience research for approx. 10 years, investigating emotion processing in the brain using imaging. With DIS since 2012.

**Caroline Garred** (Copenhagen)

*M.D. (University of Copenhagen, 2023).*

Starting my residency at Department of Cardiology, Hillerød Hospital soon. Junior researcher at Department of Cardiology, Herlev-Gentofte Hospital. Former DIS Course Assistant for Human Health & Disease. With DIS since 2019.

**Chenhong Lin** (Stockholm)

*Ph.D., Medical Science, Karolinska Institutet, 2021. With DIS since 2022.*

**Christopher Grigsby** (Stockholm)

*Ph.D. Biomedical Engineering, Duke University, USA (2014).*

Postdoctoral Fellow and Researcher, Division of Medical Systems Bioengineering, Karolinska Institutet (2016-present). Postdoctoral Fellow, Columbia University, New York, USA (2015-2016). Staff Research Associate, University California San Francisco, San Francisco, USA (2005-2007). B.S. Bioengineering, UC Berkeley, USA (2005). With DIS since 2021.

**Dina Leth Møller** (Copenhagen)

*M.D. (University of Copenhagen, 2019)*

*Ph.D. in Infectious Diseases (University of Copenhagen, 2023)*

Ph.D. done at the Department for Infectious Diseases, Rigshospitalet investigating the immune function in patients receiving solid organ transplantation. Former researcher at the Department of Pediatrics and the Institute of Inflammation Research, Rigshospitalet and former DIS Course Assistant for Human Health & Disease. With DIS since 2017.

**Elisa Skovgaard Jensen** (Copenhagen)

*M.D. (University of Copenhagen, 2012).*

PhD student at the Oto-Rhino-Laryngology Department at Nordsjællands Hospital, Hillerød. DIS Clinical Instructor for Human Health & Disease. With DIS since 2017.

**Filip Søskov Davidovski** (Copenhagen)

*M.D. (University of Copenhagen, 2022).*

PhD student at the Department of Cardiology, Herlev and Gentofte Hospital (2022-present). MPH student at Imperial College London (2023-present). Awarded Master's Thesis of the Year, University of Copenhagen (2021). Erasmus Student at University of Vienna, Department of



Psychiatry and Neurology (2020). Teaching Clinical Skills Session, Emergency Medicine, and Communication Course at DIS. Previous experience in Emergency Medicine and Internal Medicine with clerkships at Soochow University (China) and Dronning Ingrid Hospital Nuuk (Greenland). Student-athlete and Division 1 Soccer in USA (2016). Previous Course Assistant for Human Health & Disease. With DIS since 2017.

**Georgios Sotiriou** (Stockholm)

*Associate Professor in Biomaterial Science, Karolinska Institutet, Stockholm, Sweden (2020-present).*

Ph.D., Mechanical and Process Engineering, ETH Zurich, Switzerland (2011). Postdoctoral Researcher, Center for nanotechnology and nanotoxicology, Harvard University, USA (2013-2015). Research focus on nanoscale functional materials and devices for biomedical applications.

**Ida Christine Jacobsen** (Copenhagen)

*M.D. (University of Copenhagen, 2022).*

Medical experience in neurology, internal medicine and oncology. Former CA on the Medical Practice and Policy programme of Human Health and Disease. Currently teaching the elective course Complexity of Cancer. With DIS since 2019.

**Isabel Engel** (Copenhagen)

*M.D. (University of Copenhagen, 2017).*

- Junior resident in General Medicine, at a clinic in Rødovre.

Previous experience in Emergency Medicine, with employment for 2 years. Former employment as a research assistant at the Danish Headache-center, Department of Neurology, Rigshospitalet Glostrup. Responsible for the Emergency Medicine Course at CAMES, Herlev. Previous Course Assistant for Human health & Disease. With DIS since 2016.

**Jack Xu** (Copenhagen)

*M.D. (University of Copenhagen, 2018).*

*PhD in Diagnostic Radiology (University of Copenhagen, 2023).*

Radiology Resident, Department of Radiology, Gentofte Hospital. Junior doctor union representative, Hvidovre & Amager Hospital (2019-2020). Junior Doctor – Department of Emergency medicine, Holbæk Hospital (2018-2019). Student researcher at the Department of Clinical Genetics, Rigshospitalet. Board member, Synapse – Life Science Connect. Nurse Assistant, FADL (The Association of Danish Medical Students). Mentor for International students, University of Copenhagen. Course Assistant for Human Health & Disease. With DIS since 2017.

**Jan Mulder** (Stockholm)

*PhD in molecular neurobiology (Rijksuniversiteit Groningen, 2005).*

- *MSc in biology (Rijksuniversiteit Groningen, 2000).*

Senior researcher and group leader at Science for Life laboratory, department of Neuroscience, Karolinska Institute since 2010. Group leader of the brain profiling efforts within the Human Protein Atlas project since 2010. Research in identifying the cellular location of proteins linked to brain function and disease. With DIS since 2017.

**Jeanette Erbo Wern** (Copenhagen)

*Postdoc (Inst. Of International Health, Immunology and Microbiology, University of Copenhagen, Denmark, 2006-2009).*

- *Ph.D. (Immunology, Inst. Of International Health, Immunology and Microbiology, University of Copenhagen, 2005).*
- *M.Sc. (Inst. Of International Health, Immunology and Microbiology, University of Copenhagen, 2001).*

**Jesper T. Andreassen** (Copenhagen)

*Ph.D. (Psychopharmacology, University of Copenhagen, 2009).*

- *M.Sc. (Psychopharmacology, University of Copenhagen, 2004).*

Post-doctoral fellow at the Department of Drug Design and Pharmacology, Faculty of Health and Medical Sciences, University of Copenhagen. With DIS since 2012.

**John Madas** (Stockholm)

*MD (University of Crete 2016).*

Research Assistant at the Center for Molecular Medicine (Solna University Hospital, Karolinska Institutet). With DIS since 2017.

**Josephine Nolte** (Copenhagen)

*M.D. (University of Copenhagen, 2020).*

Currently first year resident at the Department of Gynecology and Obstetrics, Herlev and Gentofte University Hospital. Previous experience in General practice and Internal Medicine at Gentofte Hospital. Previous research in Immunology. Born in Denmark, raised in both DK and the United States. Bachelor of Science in Cell Biology and Neuroscience, Montana State University, Bozeman, MT (2012). Previous Course Assistant for Human Health & Disease. With DIS since 2017.

**Julius Tetans Held** (Copenhagen)

*M.D (University of Copenhagen, 2020).*

KBU at the Orthopaedic Department, Hvidovre Hospital 2020-2021. Introduktionsstilling at Orthopaedic Department, Hillerød Hospital 2021-2022. Currently PhD student at the Orthopaedic Department at Rigshospitalet, Copenhagen.

**Karen Olesen** (Copenhagen)

*M.D. (University of Copenhagen, 2020).*

Previous experience in emergency medicine, psychiatry and neurology. M.D., Department of Anesthesiology and Intensive care (Holbæk Hospital, 2023-present). Previous DIS Course Assistant and Study Tour Leader for Human Health and Disease. With DIS since 2016.

**Kristine Freude** (Copenhagen)

*PhD at Max Planck Institute for Molecular Genetics and Free University, Berlin, Germany in Human Genetics (2005).*

*Professor at University of Copenhagen (2022)*

- *MSc at Robert Koch Institute and Free University, Berlin, Germany, 2001*

Postdoctoral Research Fellow at UC Irvine, CA, USA (2005-2011) Postdoctoral Researcher (2012-2014) University Copenhagen. Assistant Professor (2014-2015) University Copenhagen. Associate Professor (2015-2021) University Copenhagen. Professor in Cell Biology and Biochemistry at the University of Copenhagen (2022-present) With DIS since 2016.

**Kristoffer Seem** (Copenhagen)

*M.D. (University of Copenhagen, 2019).*

- *B.S. (Biology major with a mathematics minor, University of Wisconsin Eau Claire, 2014).*

Physician, Hvidovre Orthopedic Department (2019-2021), General Practice at Lisbeth Bonde (2020), Holbæk Orthopedic Department (2021-2023), Rigshospitalet Tumor section (2023 – present). With DIS since 2024.

**Lise Lode** (Copenhagen)

*M.D. (University of Southern Denmark, 2017).*

- *Third year resident in Abdominal Surgery at Department of Gastrointestinal Surgery, Hvidovre Hospital.*
- *First two years of residency at Department of Gastrointestinal Surgery, Herlev Hospital.*

Previous experience in surgery with 6 months residency at Zealand University Hospital, Køge, Department of Surgery. Junior doctor at Department of Urology and Department of Internal Medicine, Herlev Hospital. Educational Coordinator for resident doctors at Dept. of Gastrointestinal Surgery, Hvidovre Hospital. Board member of YDK (Yngre Danske Kirurger) since 2021. With DIS since 2022.

**Lubna Khatoon** (Copenhagen)

*PhD in Biochemistry/ Molecular Biology, Quaid-i-Azam University Pakistan and University of California Irvine, USA, 2010*

Assistant Professor, Agriculture University Faisalabad Pakistan, 2008-2012. Post Doc. (University of Sydney, Australia 2012), Research Assistant (Copenhagen University Denmark, 2013). Quality control Coordinator (Coop Denmark, 2015-2021), Lecturer (European School Copenhagen, since 2022).

**Magnus Ebbesen** (Copenhagen)

*M.D. (University of Copenhagen, Denmark, 2021).*

- *B.Sc. pre-medical studies, Thomas Jefferson University, Philadelphia PA. USA (class of 2014).*

With DIS since 2018.

**María de la Paz Celorio** (Stockholm)

*Ph.D., University of California, Davis, USA (2008).*

- Postdoctoral researcher at Max Planck Institute of Chemical Ecology, Jena, Germany (2008-2010), and at Stockholm University, Sweden.
- Researcher and Research Analyst at Stockholm University.

Has contributed to the understanding of gene-expression plasticity in butterflies and genetic differentiation of populations of wild fish using genome-wide data. Has taught courses and led practical laboratories on statistics, biotechnology, and population genetics for American and Swedish students. With DIS since 2021.

**Martin Christian Emanuel Prener (Copenhagen)**

*M.D. (University of Copenhagen, Denmark, 2020).*

Clinical Research Assistant at Neurobiology Research Unit at Rigshospitalet 2023-present.  
Medical Doctor at the department of neurology at Rigshospitalet 2021-2023. Medical Doctor at the department of orthopedic surgery at Hvidovre Hospital 2020-2021. With DIS since 2024.

**Morten Grundahl (Copenhagen)**

*M.D. (Copenhagen University, 2022).*

Junior surgeon in an introductory position of Urology at Roskilde Hospital 2023-present.  
Previously KBU in Emergency Medicine and General Practice 2023. With DIS since 2023

**Natalia Landázuri Sáenz (Stockholm)**

*Ph.D. Biomedical Engineering, Georgia Institute of Technology, Atlanta, GA, USA (2005).*

- *Post-doctoral fellow, Emory University, Atlanta, GA, USA.*
- *Associate Professor Biomedicine, Karolinska Institutet, Stockholm, Sweden. Fulbright scholar (1999-2001).*

Research in genetic engineering, regenerative medicine, cardiovascular disease, and cancer. Has created, designed, implemented and evaluated courses at university level. Acted as Pedagogical Advisor, Development and Regeneration Doctoral Program, Karolinska Institutet. Has participated in national and international committees to evaluate and promote scientific and academic advancements. With DIS since 2017.

**Nicholas Mitsios (Stockholm)**

*PhD in Molecular Biology of Ischemic Stroke (Manchester, 2005).*

- *BSc in Molecular Biology (Liverpool, 1998).*

Currently a researcher at the Department of Neuroscience, Karolinska Institute and the Brain Profiling sub-unit of the Human Protein Atlas (HPA) project since 2011. Research focuses on the central nervous systems of mammals, with an emphasis on the identification of proteins involved in brain normal development and pathophysiology. With DIS since 2020.

**Niels Cramer West (Copenhagen)**

*M.D. (University of Copenhagen, 2014)*

*PhD (University of Copenhagen, 2020)*

Researcher at Department of Otolaryngology, Head and Neck Surgery, Rigshospitalet and Gentofte Hospital. PhD thesis *Audiovestibular outcomes after cochlear implantation in adults* was constructed at the Department of Otorhinolaryngology, Head and Neck Surgery & Audiology, Rigshospitalet. With DIS since 2017.

**Patrick Terrence Brooks (Copenhagen)**

*M.D. University of Copenhagen, 2016).*

- *BSc in Biology (University of Copenhagen, 2010)*

Currently doing his 3-year PhD research fellowship at the Department of Clinical Immunology, Rigshospitalet. Previous positions: 4th year of residency/specialization in Clinical Immunology at the Department of Clinical Immunology, Rigshospitalet (2021). Clinical Basic Training (KBU) at the Department of Urology, Zealand University Hospital, Roskilde (2017). Emergency

Department, Zealand University Hospital, Køge (2016). Research interests: immunology, stem cells and regenerative medicine. With DIS since 2018.

**Pavitra Kannan** (Stockholm)

*Ph.D. in Biomedical Sciences (Karolinska Institutet, 2012)*

Postdoctoral training, University of Oxford (2018). Researcher at the Department of Microbiology, Tumor and Cell Biology, Karolinska Institutet (2020 – present). Research at Karolinska Institutet focuses on how cancer cells develop resistance to treatment. Approach to research and teaching involves combining the scientific method with curiosity-driven, experiential learning.

**Pernille Petersen** (Copenhagen)

*M.D. (University of Copenhagen, Denmark, 2017)*

Registrar, Department of Endocrinology, Bispebjerg-Frederiksberg Hospitals since 2017. Resident supervisor. With DIS since 2019.

**Philip Little** (Stockholm)

*Ph.D (doctor of medicine), Karolinska Institutet Stockholm, 2020*

- *Medical Doctor, Karolinska Institutet Stockholm, 2016.*

Resident in Medical Radiology, Karolinska University Hospital, 2020-, PhD student, Karolinska Institutet, 2013-2020. Medical Internship, Region Stockholm (previously SLL), 2016-2019. MD at Beroendeakuten Stockholm, Region Stockholm, 2014 - 2023 (not full time). With DIS since 2023.

**Rebecca (Reba) Howard** (Stockholm)

*Ph.D. completed bachelors and doctoral degrees in Chemistry and Chemical Biology from Pomona College and the University of California, San Francisco*

- *NIH-NIAAA post-doctoral fellowship at The University of Texas at Austin.*

Previously Assistant Professor of Biochemistry at Skidmore College. She has managed a team conducting biochemistry and electrophysiology experiments as well as molecular simulations to investigate the structure and function of ion channels at the Science for Life Laboratory in Stockholm since 2016. Howard's recent work includes first-author publications in PNAS, Nature Communications, Cell Reports, etc., and invited talks at the Biophysical Society, International Society for Biomedical Research on Alcoholism, TEDx, and other institutions. With DIS Stockholm since 2018.

**Reza Yarani** (Copenhagen)

*PhD in Cellular and Genetic Medicine (University of Copenhagen, 2016)*

Assistant Professor, Translational Type 1 Diabetes Research, Department of Clinical Research, Steno Diabetes Center Copenhagen, 2021-Present. With DIS since 2023.

**Samir Jawad** (Copenhagen)

*M.D. (University of Southern Denmark, 2015)*

*Certified Radiologist, 2021.*

With DIS since 2023.

**Samra Sardar (Copenhagen)**

*PhD in Immunology and Infectious Diseases, University of Copenhagen, Denmark, 2017*

- *Bachelor of Medicine & Bachelor of Surgery (MBBS; University of Health Sciences, Pakistan, 2003-2009).*
- *M.Sc. Molecular Biology (Vrije University Brussels, Belgium, 2010-2011).*

Research Scientist (Immunobiology Group) Nordic Bioscience, 2018-2019. Global Medical Manager (R&D), Leo Pharma, 2019-2022. Global Medical Lead (Medical Affairs), Grunenthal, 2022-2024. Founder & Managing Director, PharmaTech Consult ApS, 2024- present. With DIS since 2024.

**Sara Woldu (Copenhagen)**

*M.D. (University of Copenhagen, 2020).*

Resident, Department of Internal Medicine, Glostrup Hospital, 2020. Resident, General practitioners at Hvidovrevej 100, 2020-2022 (including maternal leave). Resident, Department of Orthopedic Surgery, Bispebjerg Hospital, 2022-present. With DIS since 2024.

**Ulrik Kristoffer Stoltze (Copenhagen)**

*M.D. (University of Copenhagen, 2017).*

*PhD in Pediatrics Oncology University of Copenhagen, 2023),*

Leader of a clinic for childhood cancer surveillance (2021 – present) and affiliated scientist at Broad Institute of MIT and Harvard (2023 – present). Former Clinical Genetics resident (Rigshospitalet, 2018-19), General Practice resident (Søborg, 2018), Surgery resident (Herlev Hospital, 2017). POST-fellow at St. Jude Children's Research Hospital (Memphis, 2016). Active in Genomics research since 2015 with several publications in genetics and bioethics with a focus on childhood cancer. He is conducting one of Denmark's largest genomics studies offering whole-genome sequencing to any cancer patient under 18 years old. Teaching at DIS since 2017.

**Zara Bond (Copenhagen)**

*M.D. (University of Southern Denmark). With DIS since 2023.*